GOODMANS Mod.2580

MODEL

SERVICE MANUAL

THOMSON CONSUMER ELECTRONICS

NORDMENDE THOMSON TECHNOLOGY | SABA | TELEFUNKEN | THOMSON

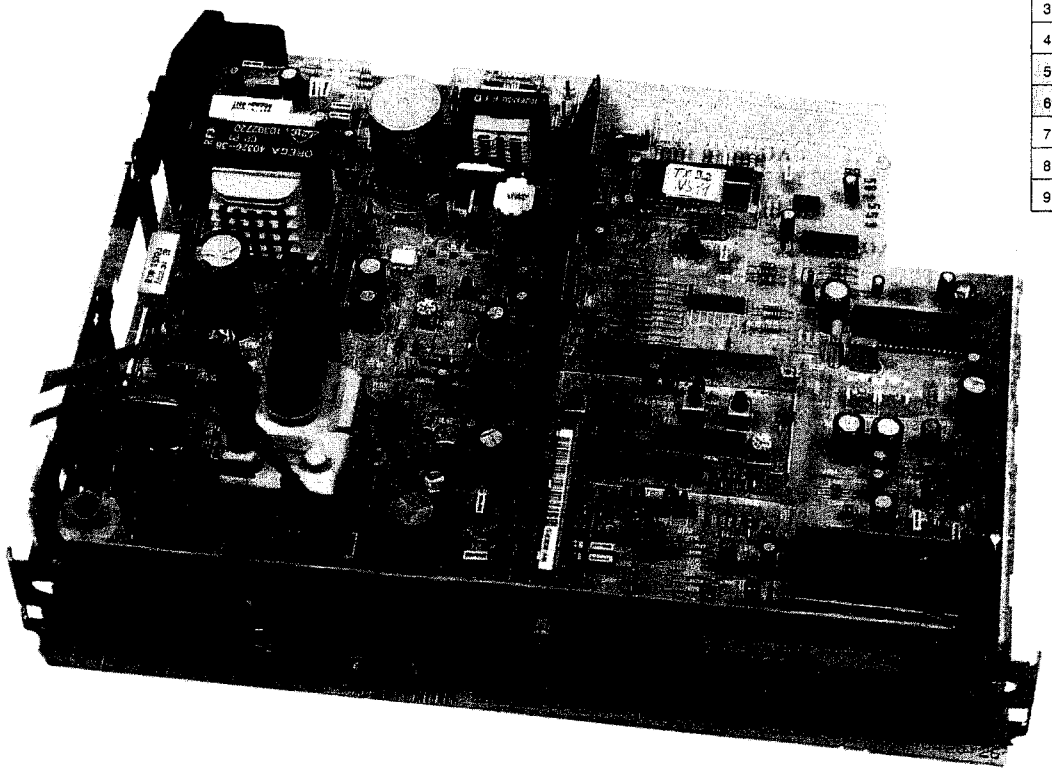
TV

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

TX92

TX 92 X Y Z 6A

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9



WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 103.707.40 - 07/95

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⚠ Indicates specially selected or critical safety components and identical components should be used for there replacement. This is necessary in order to maintain the operational safety of the receiver.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normengerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso è "esclusa la responsabilità " del costruttore.

La sustitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

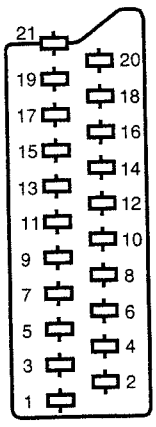
RECEIVER : UHF input level : 1 mV, test bar pattern : - PAL, I standard, 100% white.
Scart input level : 1.00 Vpp, test bar pattern.
Programme PR 01.
Customer controls : Contrast, brigtness and colour set at mid point and sound at minimum.
All DC voltages are measured with a digital meter between ground and the reference point.

RECEPTEUR : En UHF, niveau d'entrée 1 mV mire de barres - SECAM, Norm L, Blanc 100%.
Par la prise Péritélévision, niveau d'entrée 1 Vcc. mire de barres.
Couleur, contraste, lumière à mi-course, son minimum.
Programme affecté PR 01.
Tensions continues relevées par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangspegel 1 mV, Farbbalken : - PAL, Norm G, Weiss 100%.
Über die Scartbuchse : Eingangspegel 1 Vss, Farbbalken :
Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.
Zugeordnetes Programm PR 01.
Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopio per barre : - PAL, norma G. bianco 100%.
Per la pressa SCART, livello d'entrata 1 Vcc, monoscopio per barre :
Colore, Contrasto, Luce a metà corsa, Suono minimo.
Programma designato PR 01.
Tensioni continue rilevate rispetto alla massa con un voltametro numerico.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras : - PAL, norma G, blanco 100%.
Por la toma Peritelevision, nivel de entrada 1 V pp mira de barra.
Color, Contraste, luz a mitad de carrera, Sonido mínimo.
Programa afectado PR 01.
Tensiones continuas marcadas en relacion a la masa con un voltimetro digital.



NOTE : (MAIN) ... etc. identifies each pcb module.

NOTE : (MAIN) ... etc. repères des platines constituant l'appareil.

HINWEIS : (MAIN) ...usw. Kennzeichnungen der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA : (MAIN) ... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

NOTA : (MAIN) ... etc. marcas de las placas que constituyen el aparato.

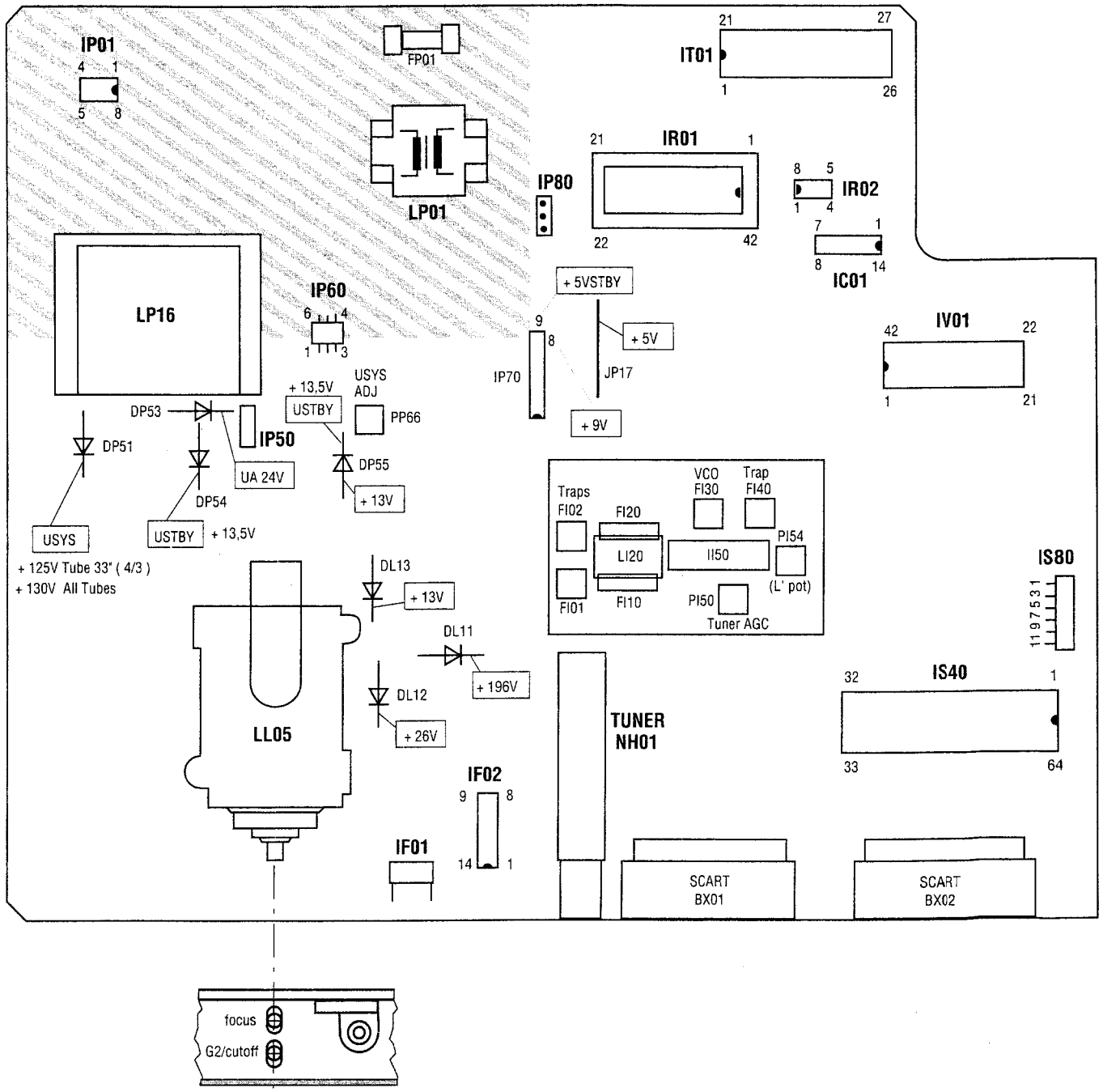
		ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
1	⊖→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2	→⊕	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3	⊖→	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4	⊥	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5	⊥	" BLUE "	" BLEU "	"BLAU"	"BLU"	"AZUL"
6	→⊕	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO
7	→⊕	" BLUE "	" BLEU "	"BLAU"	BLU	AZUL
8	→⊕	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"
9	⊥	" GREEN "	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10	NC					
11	→⊕	" GREEN "	"VERT""	"GRÜN"	"VERDE"	"VERDE"
12	NC					
13	⊥	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
14	NC					
15	→⊕	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
16	→⊕	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
17	—	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
18	⊥	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
19	⊖→	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
20	→⊕	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO
21	⊖→	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA	BLINDAJE DEL ENCHUFE

⊖→ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA

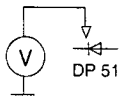
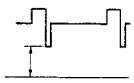
→⊕ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA

⊥ : EARTH - MASSE - MASSE - MASSA - MASA

LOCATION OF CONTROLS - EMPLACEMENT DES REGLAGES - SERVICE LAGEPLAN - POSIZIONE REGULATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES



ADJUSTMENTS - REGLAGES - EINSTELLUNGEN
REGOLAZIONE - AJUSTES

U Sys	PP 66	Contrast, brightness and volume to minimum	 DP 51	125V - Tube 33" (4/3) (A79 ECU 13x41) | JL52 130V - all tubes tous tubes | JL51
U G2 / cutoff	SCREEN	AV (no Signal, black screen)	CRT IB01: pins 9 / 12 / 15 highest output	 Tube type | Cutoff A51 ECN | 150V AXX EAS | 150V AXX ECY | 160V A79 ECU | 160V W56 EGV | 160V W66 EDX | 160V W76 EGC | 160V
FOCUS	FOCUS	Test pattern (standard values)		Sharp picture

SERVICE-MODE (GB)

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Usystem, Focus and Screen voltages.

1. Service Mode Access

1.1 With the RCU, switch the TV set into the **"Standby"** mode.
1.2 Switch **"Off"** the TV set by mains supply switch (wait until LED is dark).
1.3 Whilst depressing the RCU **"Blue (VT)"** button, switch **"On"** the TV set using the mains supply switch.
1.4 Release and press once again the RCU **"Blue (VT)** " button, the following **"Set-Up"** menu should be diplayed."

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

Important : The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

2. Function or Page Selection (GEOM)

2.1 With the RCU Volume "+" and "-" buttons, highlight the menu containing the function to be aligned.
2.2 Press the RCU **"Blue (VT)"** button to highlight the function to be aligned, or selected the page (1 or 2).

3. Switching between Service and TV modes

3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service Mode (i.e. for channel changing etc.) press the**"TV"** button on the RCU. To return to the Service Mode, press the **"Blue (VT)"** button on the RCU.

4. Alignment and storing new function value

4.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU Volume "+" and "-" buttons.
4.2 To STORE the functions new value, highlight **MEMO** and press the RCU Volume "+" button.
4.3 To RESTORE the functions original value, highlight **R-STO(RE)** and press the RCU Volume "+" button.
4.4 Selection the ROM functions downloads the production software default values, these are not very accurate and should only be used in very special cases.
Whilst in the «Service-Mode»,a long press (more than 3s) of the RCU «0» button, will reset the TV to the «factory default conditions».

5. Leaving the Service Mode

5.1 To leave the Service mode either, switch the TV set into **"Standby"** or switch **"Off"** the mains supply.

MODE SERVICE (F)

Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf la tension de système, les réglages de Focus et de tension de grille-écran).

1. Accès au mode service

1.1 Commuter le téléviseur en position de veille avec la télécommande
1.2 Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
1.3 Maintenir la touche bleue enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
1.4 Le menu suivant apparait après avoir appuyé à nouveau sur la touche bleue, (VT).

SET-UP	VIDEO	GEOM
TX92WS11		Configuration

Attention : Le mode service n'est pas accessible si un appareil est connecté à la prise péritélévision.

2. Sélection de la fonction ou de la page (GEOM)

Par les touches +/- de la télécommande vous pouvez choisir le menu correspondant (SET UP,VIDEO ou GEOM) et le "feuilleter" ou la page (1 ou 2) avec la touche bleue (VT) .

3. Inversion entre modes service et TV

Les fonctions télévision normales ne sont pas utilisables en mode service. Si elles sont nécessaires en mode service (p. ex. changement de programme), la touche (**TV**) permet de commuter en mode TV. Vous pouvez revenir au mode service en appuyant sur la touche bleue.

4. Réglage des fonctions sélectionnées; mémorisation

La valeur momentanée de la fonction sélectionnée est indiquée sous forme hexadécimale à droite, à coté de la position à régler et peut être modifiée avec la télécommande par la touche + ou - .
La ligne MEMO permet de mémoriser les nouvelles valeurs de réglage avec la touche +.
La ligne R-STO(RE) permet de rappeler les valeurs mémorisées en NVM.
Les valeurs par défaut du logiciel peuvent être chargées en sélectionnant la fonction ROM . Elles ne constituent cependant qu'une approximation du réglage et ne doivent être utilisées qu'en cas de nécessité.
En mode service une longue pression (plus de 3s) sur la touche «0»reset le TV aux valeurs par défaut des réglages usine.

5. Sortie du mode service

Pour sortir du mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

SERVICE-MODE (D)

Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Systemspannung, Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

1.1 Mit der Fernbedienung das Fernsehgerat in Stand-by schalten.
1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
1.3 Die blaue Taste der Fernbedienung gedrückt halten und gleichzeitig das Gerat mit dem Netzschalter einschalten.
1.4 Das folgende Menü erscheint nach erneutem Drücken der blauen Taste

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

Achtung : Der Service-Mode läßt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerät aktiviert ist, d.h. die Schaltspannung anliegt.

2. Funktionswahl oder Seitenwahl (GEOM)

Mit den Tasten +/- wird das entsprechende Menü gewählt, welches mit der blauen Taste "durchgeblättert wird" oder die ausgewählte Seite (1 oder 2).

3. Umschalten zwischen Service- und TV-Betrieb

Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (**TV**) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service Mode.

4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste + bzw. - auf der Fembedienung verändert werden.
Die Änderungen des jeweiligen Menüs können unter MEMO mit der + Taste gespeichert, bzw unter R-STO(RE) rückgängig gemacht werden.
Im Menüpunkt ROM kann man die Software-Defaultwerte laden.Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden.
Im Service-Menü : Durch längeren Druck (mehr als 3 Sek.) wird das Gerät auf die im Werk eingestellten Werte zurückgesetzt.

5. Service-Mode verlassen

Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

SERVICE-MODE (I)

Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (a parte la tensione del sistema, le regolazione del fuoco e le tensioni della griglia schermo).

1. Attivazione del Service-Mode

1.1 Commutare il televisore in stand-by con il telecomando.
1.2 Spegnere l'apparecchio con l'interruttore di rete (attendere finchè il LED è spento).
1.3 Tenere premuto il pulsante blu e accender e contemporaneamente l'apparecchio con l'interruttore di rete.
1.4 Il seguente menu appare non appena si aziona nuovamente il pulsante blu.

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

Attenzione : Il Service-Mode non si può attivare se è attivato un apparecchio collegato alla presa di peritelevisione AV, cioè se è presente la tensione ausiliaria.

2. Scelta della funzione o selezione pagina (GEOM).

Con i tasti +/- si seleziona il relativo menu che può "essere sfogliato" con il pulsante blu o selezionata la pagina1 or 2.

3. Commutazione fra funzione Service-Mode e TV

Nella modalità Service-Mode non si possono attivare le normali funzioni televisive. Se occorre richiamarle in Service-Mode (ad es. se si vuole cambiare il programma), si pud attivare la normale modalità TV con il pulsante (**TV**). Premendo il pulsante blu si riattiva il Service-Mode.

4. Taratura della funzione scelta e memorizzazione

Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante + o - del telecomando.
Le modifiche effettuate nel relativo menu si possono memorizzare in MEMO con il pulsante + oppure annullare in R-STO(RE).
Nell'opzione di menu ROM si possono caricare i valori di default del software. Essi rappresentano però una taratura approssimativa prima di eseguire quella definitiva e si dovrebbero usare solo in caso di emergenza.
Mentre si è nel «Menu Service», una lunga pressione (più di 3s) del tasto «0» riporterà il TV alle «condizioni di default di fabrica».

5. Disattivazione del Service-Mode

Per disattivare il ServiceMode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

MODO SERVICIO (E)

Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

1. Ajustar el MODO SERVICIO

1.1 Con el mando a distancia conectar a STANDBY el televisor.
1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
1.3 Mantener pulsada la tecla azul y conectar el aparato simultáneamente con el interruptor de red.
1.4 El menú siguiente aparece volviendo a pulsar la teda azul.

SET-UP	VIDEO	GEOM
TX92 WS11		Configuration

Atencion : No se puede conectar el MODO SERVICIO cuando en Eurotoma-AV está activado un aparato, es decir, cuando existe tensión de conexión.

2. Selección de las funciones o selección de página (GEOM)

Con las teclas +/- se selecciona el menu correspondiente que "hojea" con la tecla azul o la página seleccionada (1 o 2).

3. Conmutar entre funcionamiento Servicio y TV

En el MODO SERVICIO las funciones de televisión normales no pueden operarse. Si se necesitan éstas en MODO SERVICIO (p.ej., cambio de programa), con la tecla (**TV**) puede conmutarse a la operación TV normal.
Pulsando la tecla azul se vuelve al MODO SERVICIO.

4. Ajuste de la función elegida y almacenamiento

El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla + o bien - en el mando a distancia. Los cambios del menú respectivo pueden almacenarse bajo MEMO con la tecla + o bien anular bajo RESTORE .
En el punto de menu ROM se pueden cargar los valores por defecto del software. Sin embargo, son sólo una aproximción basta al ajuste aún a realizar y deben usarse sólo en caso de emergencia.
En modo servicio, si se maintiene pulsada (más de 3 seg.) la tecla «0» toma por defecto los valores de «ajuste en fábrica».

5. Salir del MODO SERVICIO

Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

TV mono :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	I	B	BD	BLD BIL
- R-STO		+ MEMO		O ROM

VIDEO		
R - DC	00 - 3F	24
G - DC	00 - 3F	12
R' - DRV	00 - 3F	1F
G' - DRV	00 - 3F	1E
B - DRV	00 - 3F	1C
PEAK		(-/+)
+ MEMO		
+ R - STORE		- ROM

page 1

GEOM		
V - POS	00 - 1F	0F
V - AMP	00 - 7F	3F
V - LIN	00 - 0F	07
H - PHA	00 - 3F	1F
H - AMP	00 - 3F	20

TV stereo :

SET-UP				
Software code and configuration				
BRAND	1	2	3	NONE
NORM	I	B	BD	BLD BIL
DEC	PR4		On	OFF

page 2

GEOM		
EW - TILT	00 - 1F	10
EW - AMP	00 - 1F	3F
EW -SHP	00 - 0F	07
STORE	(+)	
RESTORE	(+)	
ROM	(+)	

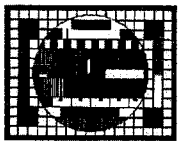
Test Bar pattern used : 4/3 with geometric circle.
Mire utilisée : 4/3 avec un cercle de géométrie.
Testbild : 4/3 mit geometrischem Kreis.
. adjust separate for 4/3 and 16/9 format
. régler séparément pour les formats 4/3 et 16/9
. für 4/3 and 16/9 getrennt einstellen
. regolare separatamente per 4/3 e 16/9
. ajustar separadamente para 4/3 y 16/9

SET-UP	
BRANDT	**Brand Selection** 1 : TELEFUNKEN 2 : SABA/FERGUSON 3 : THOMSON/ NORDMENDE None : No brand Selected
NORM	**Standards** B = BG PAL SECAM (Sound FM 5,5MHz)
	I = I PAL (UK/IRELAND) (Sound FM 6MHz)
	L = L SECAM (France) (Sound AM 6.5MHz)
	D = DKK' SECAM (SOUND AM 6.5 MHZ)
	M = NTSC M (Sound FM 4.5MHz)
DEC PR4 (TX92 stereo)	NICAM From Canal+ decoder NICAM du Decod. Canal+ On : Enable OFF : Disable The special sound path handling for Canal+ on PRO4 Validation NICAM issu du decodeur Canal + (PRO4)

VIDEO		
R - DC*		grau, grey
G - DC*		grau, grey
R -DRV		weiß, white
G - DRV		weiß, white
B - DRV		weiß, white
PEAK ☼ + ◔ = 50% ◑ = 100%	**CRT Pin 6,8,11** **Oscillo. or colorimeter**	**25" : 70V** Tube 4/3 / Nits 25" FS 420 28" FS 420 25" MP 420 28" MP 350 33" MP 280 Tube 16/9 / Nits 24" SF 600 28" MP 480 32"MP 380

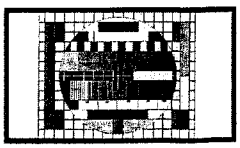
GEOM	
V - Pos	
V - Amp	
V - Lin	
H - PHA	
H - AMP	

TUBE 4/3



Display mode : 4/3
Overscan : V = 107%
H = 107%

TUBE 16/9



Display mode : 4/3
Overscan : V = 107%
H = 75%

Notes :

* adjust separate for PAL/NTSC and SECAM
* régler séparément pour PAL/NTSC et SECAM
* für PAL/NTSC und SECAM getrennt einstellen
* regolare separatamente per PAL/NTSC e SECAM
* ajustar separadamente para PAL/NTSC y SECAM

EW - TILT	
EW - AMP	
EW - SHP	

Software Code :

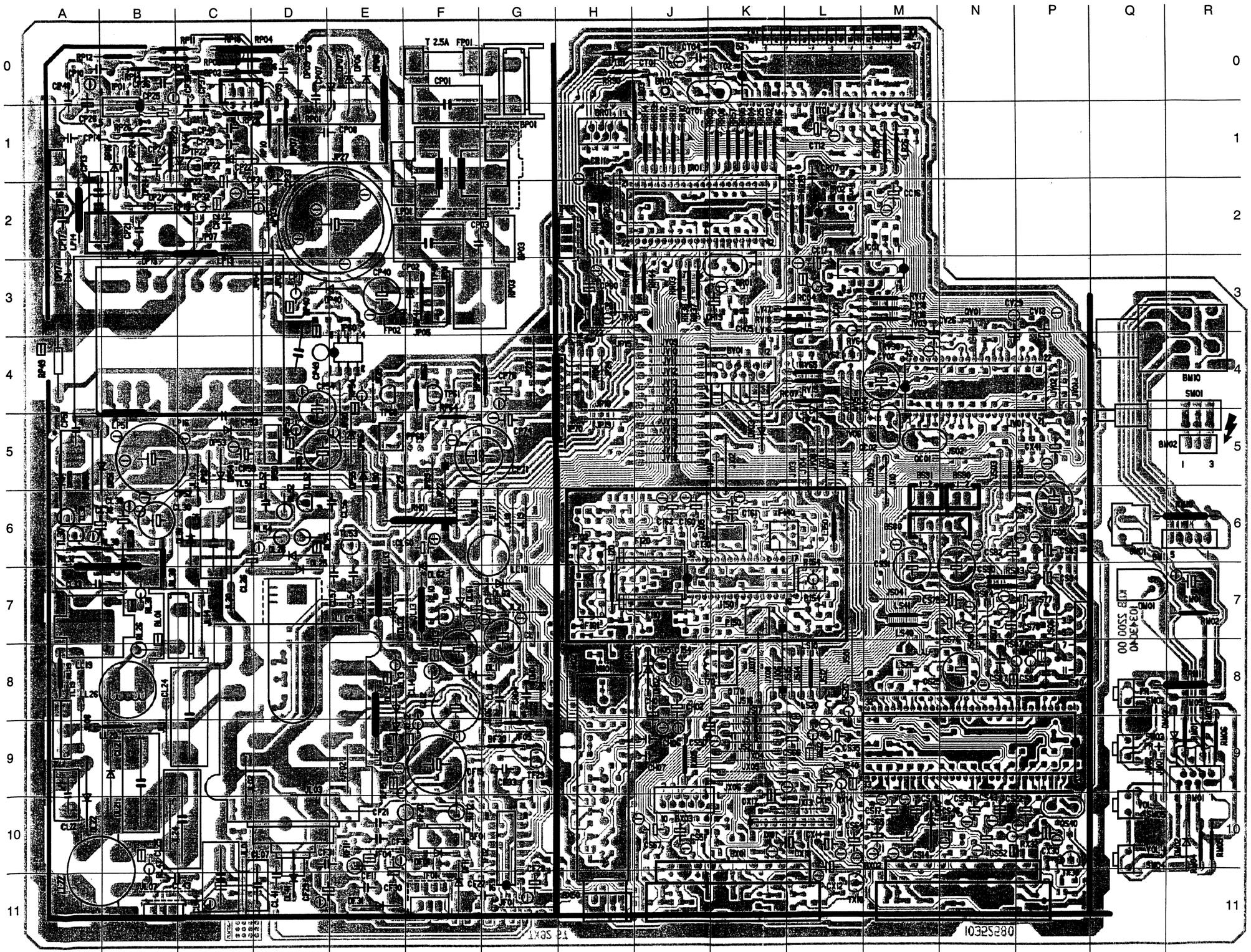
Software Release Code	Description
TX92NS11	TX92 Stereo (4/3) Software Rel 11
TX92WS11	TX92 Stereo (16/9) Software Rel 11
TX92NM11	TX92 Mon (4/3) Software Rel 11

TV Configuration :

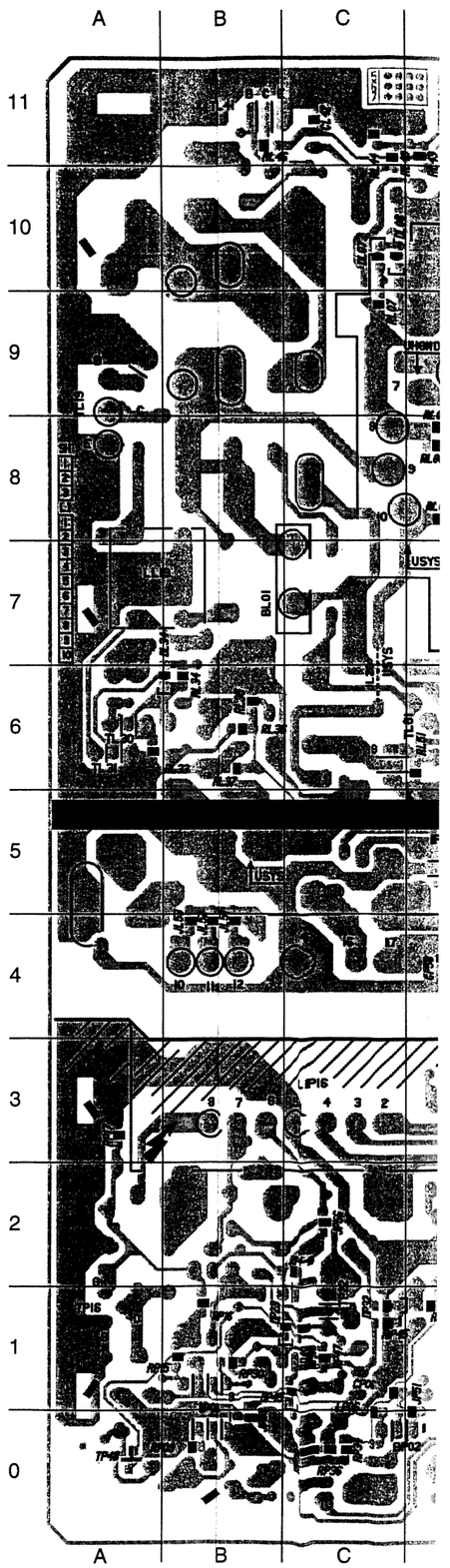
T	TEXT MODULE
S	STEREO MODULE

MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

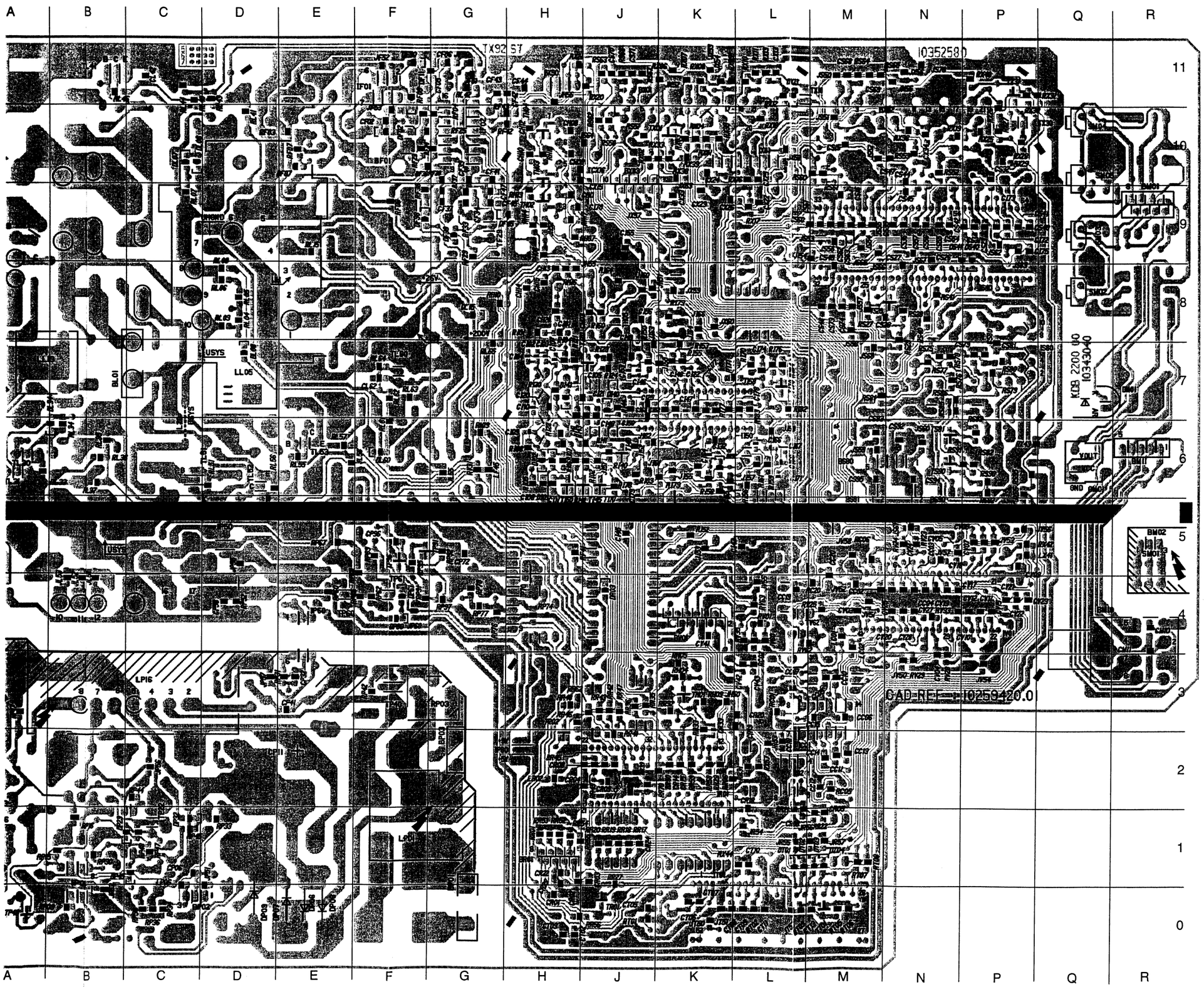
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖT



ER SIDE - CÔTE SOUDURES - LÖTSEITE SALDATURE - LADO SOLDADURAS



1	2	3

BF01	F10
BF01*	F10
BL01	B7
BL01*	B7
BM01	R9
BM02	R5
BM11	R6
BP01	G1
BP01*	G0
BP02	C0
BP02*	C0
BP03	G2
BP03*	G1
BR01	H1
BR01*	H1
BR02	J0
BS80	M6
BS80*	M6
BS90	N5
BS90*	N6
BS91	M5
BS91*	M6
BV01	K4
BV01*	K4
BX01	K10
BX01*	J11
BX02	M10
BX02*	M11
BX03	J10
BX03*	J10
BX50	H11
BX50*	H11

CC02*	M4
CC03*	N5
CC04*	N4
CC05*	M3
CC07*	L3
CC10*	M3
CC11*	M2
CC12*	M2
CC13*	M2
CC14*	M2
CC15*	M3
CC16	M2
CC17	L2
CC18*	L2
CC19*	L4
CC20*	M5
CCO6*	M3
CF02*	F10
CF05*	F11
CF06*	F11
CF11	E11
CF15	F9
CF21	E10
CF27	F11
CF28	G10
CF29	D11
CF30	E11
CF31	D10
CF32	E10
CF33	G9
CF34*	G9
CF37*	G9
CF39*	G10
CF42*	G11
CF43*	G11
CF44*	H11
CF45*	G9
CF46*	G11
CF47*	G9
CH01	J8
CH02	J8
CH04	G8
CH05	K3
CH06	J9
CH07	J9
CH08*	H10
CH09*	H10
CH10*	H10
CH11*	H9
CH12*	H10
CH13*	H8
CH14*	H8
CH15*	H8
CH19	K3
CH20*	H8
CI01*	H8
CI02*	H7
CI03*	H7
CI04*	H7
CI05*	J7
CI07*	H7
CI08*	H6
CI09*	H6
CI10*	H7
CI11*	H6
CI20*	H7

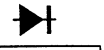
CI21*	H7
CI22*	K7
CI25*	J7
CI32*	K6
CI40*	J6
CI41*	H6
CI43*	K5
CI45*	J5
CI46*	J7
CI47*	K7
CI48*	K7
CI49*	J8
CI50*	J6
CI52*	J7
CI53*	J7
CI54	J8
CI55*	J9
CI56*	J8
CI60	J6
CI61	K6
CI62	J6
CI63*	J7
CI64*	K6
CI65*	K6
CI66*	L6
CI67*	L6
CI68*	L6
CI70*	H9
CI71*	L6
CI72*	P9
CI73*	P9
CI74*	L7
CI75*	P9
CI77*	K7
CI78*	L7
CI79*	J6
CL07	D10
CL10	E9
CL11	G7
CL12	F8
CL13	F8
CL14	F8
CL16	G8
CL21	B9
CL22	A10
CL24	B8
CL25	B10
CL26	C7
CL30	C6
CL32	B6
CL33	A7
CL38	B6
CL41	D11
CL42*	C11
CL43	B11
CL44	C11
CL51	C6
CL52	D5
CL54	E7
CL56	E6
CL57	E7
CL60	F6
CL61	G7
CL62*	F7
CM01	R7
CM10*	R4
CM11*	R4
CP01	F0
CP02	F2
CP03	F2
CP06*	C1
CP07	D0
CP08	E1
CP09	D0
CP10	A0
CP11	D3
CP11*	E2
CP12	C2
CP13	A1
CP14	A1
CP17	A2
CP21	B2
CP22	C1
CP24	B1
CP25	B0
CP26	A1
CP29	C1
CP31	D2
CP32*	E3
CP33	D2
CP36	B0
CP37	C0
CP38	C0
CP40	E3
CP41*	E3
CP45	C1
CP48	A0
CP49	D4
CP51	A5
CP52	C6
CP53	C5
CP54	D4

CP57	D5
CP58*	D4
CP59	C5
CP71	G5
CP72*	G5
CP74	G5
CP76	G4
CP80	H3
CP81	H3
CP96*	F5
CR01*	H0
CR02*	H1
CR03*	J1
CR04*	H2
CR05*	M1
CR06*	L1
CR07	L1
CR08*	H2
CR09*	J2
CR11	H1
CR14*	K2
CR15*	K2
CR17*	J2
CR18*	L2
CR19*	L2
CR20*	L3
CR22*	H1
CR23*	H1
CR24*	J1
CS14	M10
CS15*	M10
CS16*	M9
CS17	M10
CS18	M10
CS22	P10
CS23*	P9
CS25	M8
CS26*	N9
CS27*	N9
CS28*	M8
CS31*	P9
CS32*	P10
CS35	L9
CS36*	N9
CS39*	M9
CS40*	P9
CS41*	P9
CS42*	N9
CS43	N10
CS44*	N10
CS45*	N9
CS46	N10
CS47*	M10
CS48*	M8
CS49*	M9
CS50	J9
CS51	J10
CS52	N10
CS53	N10
CS54*	N9
CS55*	N9
CS56*	N9
CS57*	N9
CS60*	L9
CS61*	L9
CS62*	M9
CS63*	M9
CS64	L10
CS65	M10
CS66	L9
CS67	J10
CS68*	M11
CS69*	M11
CS70*	J11
CS71*	J11
CS73*	M8
CS74*	M8
CS75	N7
CS76	N7
CS77	P7
CS78	P7
CS79*	P7
CS80*	P8
CS81*	P7
CS82	N6
CS83	P6
CS84	P7
CS85	P6
CS87	N8
CS88	P7
CS90	N7
CS91	M6
CS92*	N6
CS93*	M7
CS94*	N6
CS95*	M6
CT01	J0
CT02*	H0
CT03*	H0
CT04	J0
CT05*	J0
CT06*	K0

CT07*	K0
CT08*	K0
CT09*	L0
CT10*	L1
CT11*	L0
CT12	L1
CT13*	L0
CV01	P5
CV02	M4
CV03*	M4
CV04*	N3
CV05*	N5
CV06*	N5
CV07*	P5
CV09*	P5
CV10*	N4
CV11*	P4
CV12*	P4
CV13	P3
CV15*	P4
CV17*	P4
CV18*	N5
CV20*	M4
CV21*	P4
CV22*	P4
CV23*	P4
CV24*	N5
CV25*	N4
CV26	N3
CV27*	N4
CV28*	N4
CV29	P3
CV42*	L3
CV43*	L3
CX12	L11
CX13*	L11
CX14	L10
CX15*	H10
CX16*	H10
CX17	K10
CX18	L10
CX19	L10
CX22*	L9
CX23*	K9
CX24*	K10
CX25*	L10
CX26*	K9
CX30	P10
CX33*	K9
CX34*	N10
CY19*	N4
CY41*	K4

COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



DF01	F10
DF02*	F10
DF07*	E10
DF11*	F11
DF30*	F11
DF31	E11
DF38*	F9
DF39*	G9
DF41	L5
DF45*	G9
DH01	G8
DH02	J8
DI01*	H6
DI02*	H6
DI40*	J7
DI41*	H7
DI51*	K6
DL06*	C10
DL07*	C10
DL08*	D7
DL11	F8
DL12	E8
DL13	E7
DL15*	G8
DL21	B10
DL22	A10
DL25	D7
DL26	D6
DL34*	A7
DL38	B6
DL41	D11
DL51	C6
DL60*	F6
DL61	F7
DL62	F7
DL63	G7
DP06	E0
DM01	Q7
DM02	R11
DM03	R9
DP06*	E0
DP07	E0
DP07*	E0
DP08	E0
DP08*	E0
DP09	D0
DP09*	D0
DP13	B2
DP16	B1
DP17	A3
DP21	B2
DP22	C1
DP23*	B1
DP24	B1
DP32*	C1
DP40	D3
DP41	E3
DP44	C1
DP45*	B1
DP50	A5
DP51	B5
DP53	C5
DP54	C5
DP55	E5
DP56	E5
DP60*	F4
DP61*	F4
DR03*	J4
DS10	N10
DS40*	P9
DS41*	N9
DT01*	L1
DT02*	L1
DT03*	M1
DT04*	M1
DV03	K5
DX13*	L11

FI01	H7
FI02	H6
FI10	J7
FI20	J6
FI30	J6
FI40	K6
FP01	F0
FP02	E3

IC01	M2
IC01*	L2
IF01*	F11
IF02	G10
IF02*	G10

II07	L5
II50	K7
II50*	L6
IP01	B0
IP01*	B1
IP50	D5
IP50*	D5
IP60	E4
IP60*	E4
IP70	H5
IP70*	H4
IP80	H2
IR01	J1
IR01*	K2
IR02	L2
IR02*	L2
IS40	L9
IS40*	P8
IS80	P7
IS80*	P7
IT01	L1
IT01*	K1
IV01*	P4
IX01	K10
IX01*	L10

JC01	L3
JF01	G11
JF01*	F11
JF02	E9
JF04	E10
JF05	G9
JF06	G8
JF50*	G11
JF51*	G11
JF52*	F11
JF53*	F11
JH02	H8
JH50*	K3
JH51*	J8
JH52*	H9
JH55*	H8
JH56*	H11
JI01	K5
JI02	K5
JI03	L5
JI04	L5
JI05	J6
JI06	K8
JI50*	J7
JI51*	J6
JI52*	J6
JI53*	K5
JI54*	L9
JI55*	K6
JI57*	L6
JI58*	L7
JI59*	L6
JI60*	J8
JI61*	J6
JI62*	J6
JI63*	J8
JI66*	K8
JL01	C10
JL02	C9
JL03	D9
JL07	B11
JL08	A9
JL10	C5
JL12	E7
JL13	F7
JL14	C7
JL15	F6
JL16	F6
JL17	G6
JL18	G6
JL19	G6
JL20	C7
JL20*	C6
JL21	G7
JL23	E8
JL51*	B4
JL52*	B4
JL53*	B4
JL55*	G6
JL56*	E6
JM01	Q9
JM02	Q9
JP01	F3
JP02	D3
JP03	D2
JP04	D3
JP05	F3
JP07	C2
JP09	F5
JP12	C5
JP15	H4
JP16	H4
JP17	H4
JP18	H4
JP19	H5
JP20	J4
JP21	J4
JP22	F5
JP23	H3
JP24	H4
JP27	E1
JP28	G4
JP29	E5
JP30	E5
JP35	E4
JP51*	C1
JP53*	B0
JP55*	D5
JP56*	C2
JP57*	D3
JP60*	F4
JR01	H2
JR02	H2
JR03	H3
JR08	H4
JR53*	L2
JR54*	L1
JR55*	L1
JR56*	L1
JR57*	M1
JS01	L8
JS02	N5
JS03	N5
JS04	M7
JS05	P6
JS06	P7
JS07	N7
JS08	N7
JS12	L8
JS14	L8
JS15	L8
JS16	K8
JS17	K8
JS18	K9
JS21	K9
JS50*	M11
JS51*	M10
JS52*	M10
JS53*	M9
JS54*	M9
JS55*	M9
JS56*	M9
JS57*	M8
JS58*	M8
JS59*	M6
JS60*	N6
JS61*	N5
JS62*	P9
JS63*	P9
JS64*	H10
JS65*	M9
JS66*	M9
JS67*	N9
JS68*	M7
JS70*	N11
JT50*	K0
JT51*	K0
JT52*	L0
JV01	P4
JV02	P4
JV03	M3
JV04	L4
JV05	L4
JV06	L5
JV07	L4
JV08	L5
JV09	J4
JV10	J4
JV11	J4
JV12	J4
JV13	J4
JV14	J4
JV15	J5
JV16	J5
JV17	J5
JV18	J5
JV19	J5
JV50*	N3
JV51*	M4
JV52*	M4
JV53*	P5
JV54*	P3
JV55*	L4
JV56*	P5
JV57*	N5
JV58*	M5
JV60*	L4
JX04	K9
JX05	K9
JX06	K9
JX07	K8
JX08	K8
JX09	M5
JX10	M5
JX11	L5
JX13	L10
JX14	L5
JX15	K9
JX16	K9
JX52*	J11
JX53*	K11
JX54*	K11
JX55*	N11
JX56*	N11
JX57*	J9
JX58*	L10
JX59*	K8
JX60*	K8
JX63*	K10
JX65*	P6

LC01*	M4
LC02*	M4
LF45*	G6
LH01	H8
LI20	H6
LI50	L6
LI70	J8
LL05	E7
LL05*	D7
LL10	G7
LL13	E7
LL19*	A7
LL20	B9
LL22	A11
LL26	A8
LL49	A8
LP01	E2
LP01*	F1
LP06*	C1
LP13	C2
LP14	A2
LP16	C5
LP51	B5
LR02*	H2
LR03	J0
LR26	M1
LR28	M1
LS10	L8
LS20	L8
LS25	M8
LS40	M7
LS41	M7
LT01	H0
LT02	K0
LV01*	P5
LV16	K3
LV17	K3
LV18	M3

PI50	K7
PI54	L7
PP66	E5

QC01	M5
QC02	M5
QI70	K8
QR01	K3
QS40	P10
QT01	J1
QV01	N3

RC01*	L3
RC02*	L3
RC04	L3
RC05*	M2
RC06*	M5
RC07	L4
RC20*	L4
RF03*	E10
RF04*	G10
RF06*	F9
RF07*	E10
RF09*	F10
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RF12	F10
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RF20	F10
RF23*	F10
RF24*	F10
RF25*	G10
RF28*	G10
RF29*	G9
RF30	G9
RF33*	G9
RF36*	F10
RF37*	G9
RF38*	F10
RF41*	H5
RF42*	G10
RF43*	G11
RH01	F6
RH04*	K3
RH05*	K3
RH06*	H9
RH07*	H9
RH09*	K3
RH10*	G8
RH13*	H10
RH14*	H9
RH15*	H10
RH16*	H8
RH17*	H9
RH19*	G6
RI01*	H8
RI02*	J6
RI03*	J6
RI04*	H7
RI05*	H6
RI06*	H6
RI07*	H6
RI08*	H6
RI17*	K7
RI20*	H7
RI21*	H7
RI22*	H6
RI23*	J7
RI24*	J7
RI41*	J6
RI42*	H6
RI43*	H6
RI44*	J7
RI50*	J7
RI52*	K5
RI53*	K7
RI54	L7
RI55*	K7
RI56*	L6
RI58*	K6
RI59*	L6
RI60*	J8
RI61*	L6
RI64*	J8
RI70*	L7
RI71*	K7
RI73*	K8
RI76*	L7
RI78*	J6
RI79*	K6
RI82*	L7
RI83*	L7
RI84*	L7
RL03*	D8
RL04*	D8
RL05*	D8
RL06*	D8
RL07*	C9
RL08*	D8
RL10	F7
RL11	F8
RL12	F9
RL13	E8
RL15*	E9
RL16	G9
RL25	D6
RL26	B7
RL30	B6
RL31	B7
RL32	A6
RL33*	A6
RL34*	B6
RL35*	B6
RL36*	B6
RL37*	B6
RL38	B7
RL41*	D10
RL42*	G11
RL43*	D11
RL44*	C11
RL46*	B11
RL47	B10
RL48*	C11
RL49	A8
RL51*	D6
RL52	D6
RL54	D6
RL55*	E6
RL56*	D6
RL57*	E6
RL61*	F6
RL62*	F7
RL63*	F7
RL64*	F7
RL65*	G7
RL90	E5
RM01	R9
RM02	R7
RM03	R9
RM04	R10
RM05	R10
RM06	R11
RM10	R6
RM11	R8
RP01	D1
RP02	E0
RP03	G3
RP03*	G3
RP04	D0
RP05	C0
RP06	D0
RP07	D1
RP08	C0
RP09*	B0
RP10	D1
RP11	C0
RP12	A0
RP13	C2
RP14	B0
RP15*	B1
RP16*	B1
RP17*	A3
RP18	C0
RP19	D0
RP22	C2
RP24	B1
RP26	B1
RP28	C1
RP29	B1
RP30*	B1
RP31*	D3
RP32	C2
RP33*	D1
RP34*	C0
RP36*	C0
RP38*	C0
RP40	D3
RP41	F3
RP42*	F3
RP44*	C2
RP45*	C1
RP47*	C1
RP48*	C1
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RP60*	E4
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RP62*	F4
RP63*	F5
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RP91*	F4
RP92*	G5
RP95*	F5
RP97*	G4
RP98	G4
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RR06*	K2
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RR09	K1
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RR19*	J1
RR20*	J1
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RR22*	M1
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RR34*	K3
RR35*	J3
RR36*	J3
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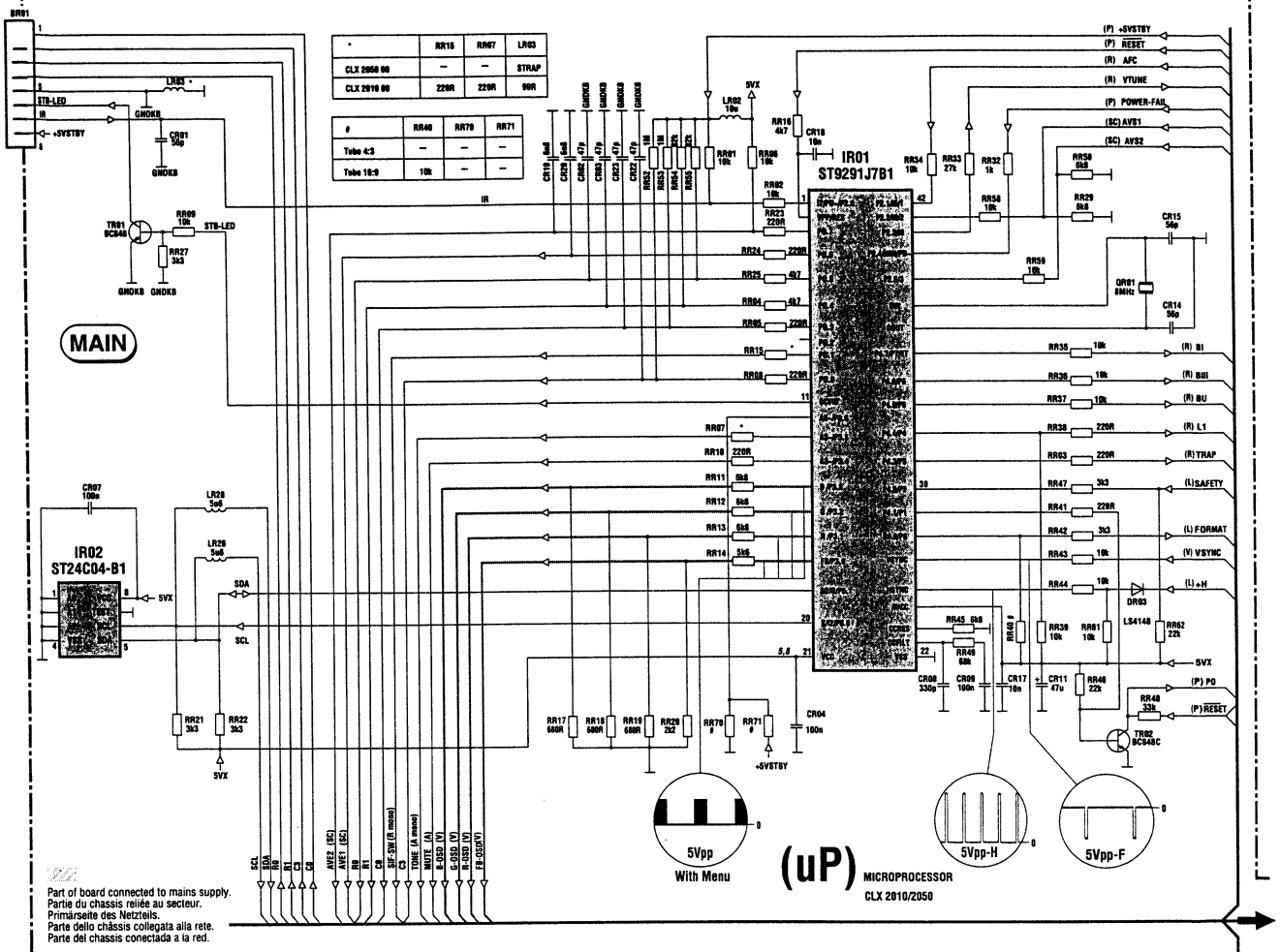
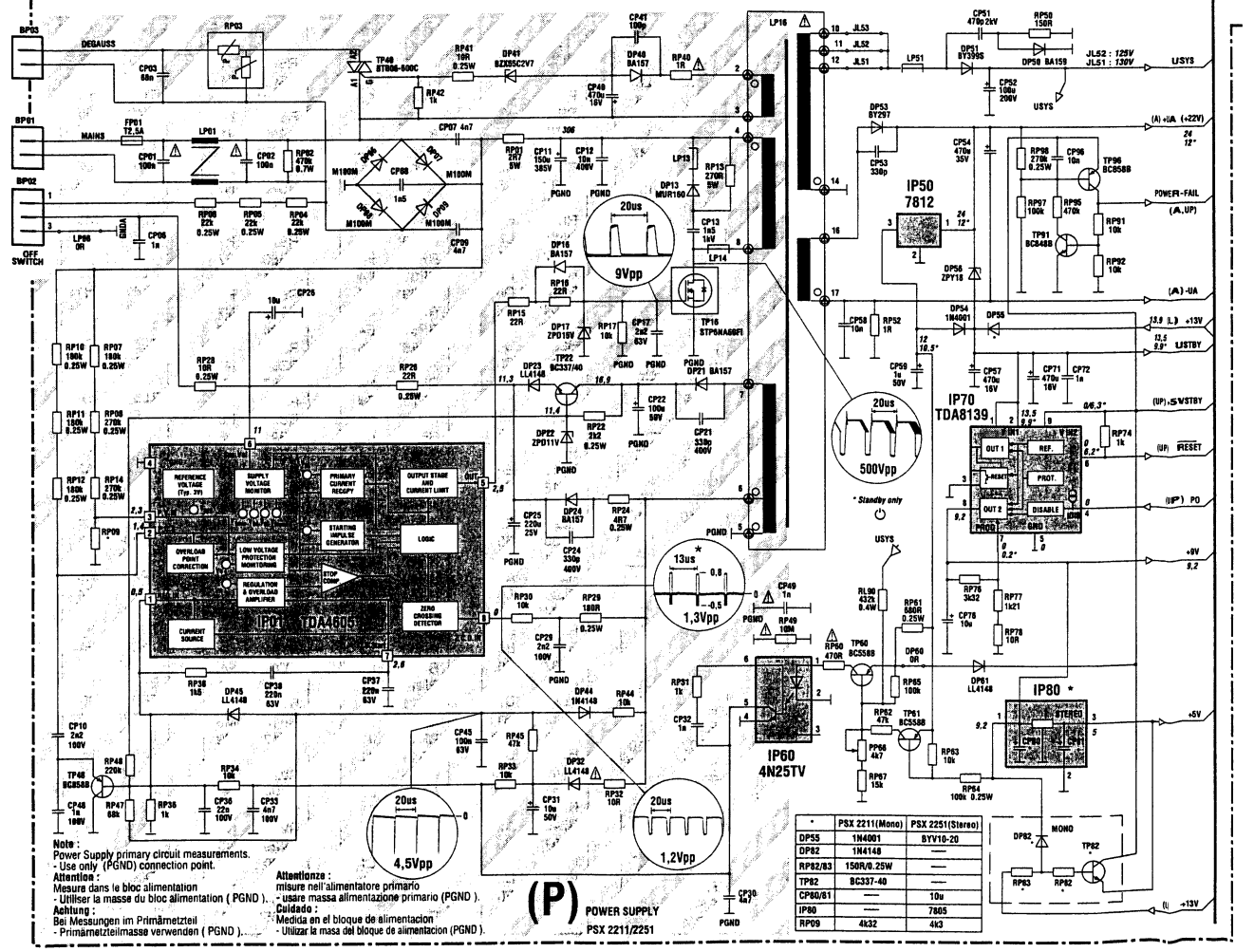
RR48*	H3
RR49*	J2
RR50*	K2
RR52*	H1
RR53*	H1
RR54*	H1
RR55*	H1
RR56*	H0
RR57	K1
RR58*	K2
RR59*	K2
RR61	H3
RR62*	H3
RR70*	J2
RR71*	J2
RR90	H0
RS12	L9
RS20	L8
RS27*	M8
RS28*	N8
RS29*	N8
RS40*	N8
RS41*	N8
RS50*	J10
RS51*	J10
RS52*	N10
RS53*	N10
RS60*	L10
RS61*	M10
RS62*	J10
RS63*	J11
RS64*	M11
RS65*	N11
RS66*	J11
RS67*	J11
RS75*	N7
RS76*	N7
RS77*	N7
RS78*	N7
RS79*	P7
RS80*	P7
RS81*	M7
RS82*	P6
RS83	N7
RS84	N7
RS85*	N7
RS86*	N7
RS87	P7
RS88	P7
RS90*	P6
RS91*	N6
RS92*	P6
RS93*	P6
RS94	P5
RS95*	P6
RT01*	J0
RT02*	L0
RT03*	P6
RT05*	M0
RT06*	M0
RT07*	M1
RT08*	M1
RT09*	L0
RV01*	L4
RV02*	P5
RV15	L4
RV16	M3
RV17	M3
RV18	K3
RV23*	N5
RV24*	N5
RV25*	L4
RV28*	N3
RV29*	N3
RV30	M4
RV31*	G6
RV33*	N4
RV35*	L4
RV62*	L4
RV63*	L4
RV64	L4
RV65	L4
RX01*	K10
RX02*	J10
RX03*	K10
RX04*	K10
RX05	J9
RX06*	K11
RX07*	K11
RX08*	K11
RX09*	K11
RX10*	L11
RX11*	L11
RX12*	L11
RX14	L10
RX16*	L10
RX17*	L9
RX18*	L10
RX19*	N10
RX20*	H11
RX21*	H11
RX25*	P10
RX26*	P11
RX27*	P10
RX28*	P10
RX29*	P10
RX30*	P10
RX31*	P11
RX32	P10
RX33*	J10
RX35*	K10
RX36*	N10
RX38*	K10
RX39*	K10
RX40*	P11
RX47*	L2

TF09	G9
TF09*	G9
TH01*	K3
TH02*	H9
TH03*	H10
TH04*	H11
TH05	J8
TH05*	J8
TI01*	J6
TI02*	H7
TI04*	J6
TI04*	J6
TI05*	H6
TI07*	L7
TL09	A8
TL09*	A9
TL10	A6
TL10*	A6
TL11	A6
TL11*	A6
TL11	B11
TL11*	B11
TL11	C5
TL11*	C6
TL12	D6
TL12*	D6
TL13	E6
TL13*	E6
TL10	F7
TL10*	F7
TP06	A2
TP06*	A1
TP02	C1
TP02*	C1
TP00	F3
TP00*	F3
TP08*	A0
TP00	E4
TP00*	E4
TP11	F4
TP11*	F4
TP11*	F5
TP06*	F5
TR11*	J0
TR12*	H3
TS00*	M8
TS11*	N6
TS00*	N6
TW11*	M0
TW12	L4
TW12*	L4
TX00	L11
TX00*	L11
TX00	P10
TX00*	P10
TX11*	P11

MICROPROCESSOR / POWER SUPPLY - MICROPROCESSEUR / ALIMENTATION - MIKROPROZESSOR / NETZTEIL - MICROPROCESSORE / ALIMENTAZIONE - MICROPROCESADOR / ALIMENTACION



Part of board connected to mains supply.
Partie du chassis reliée au secteur.
Primärseite des Netzteils.
Parte dello chàssis collegata alla rete.
Parte del chassis conectada a la red.



Note :
Power Supply primary circuit measurements.
- Use only (PGND) connection point.

Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (PGND).

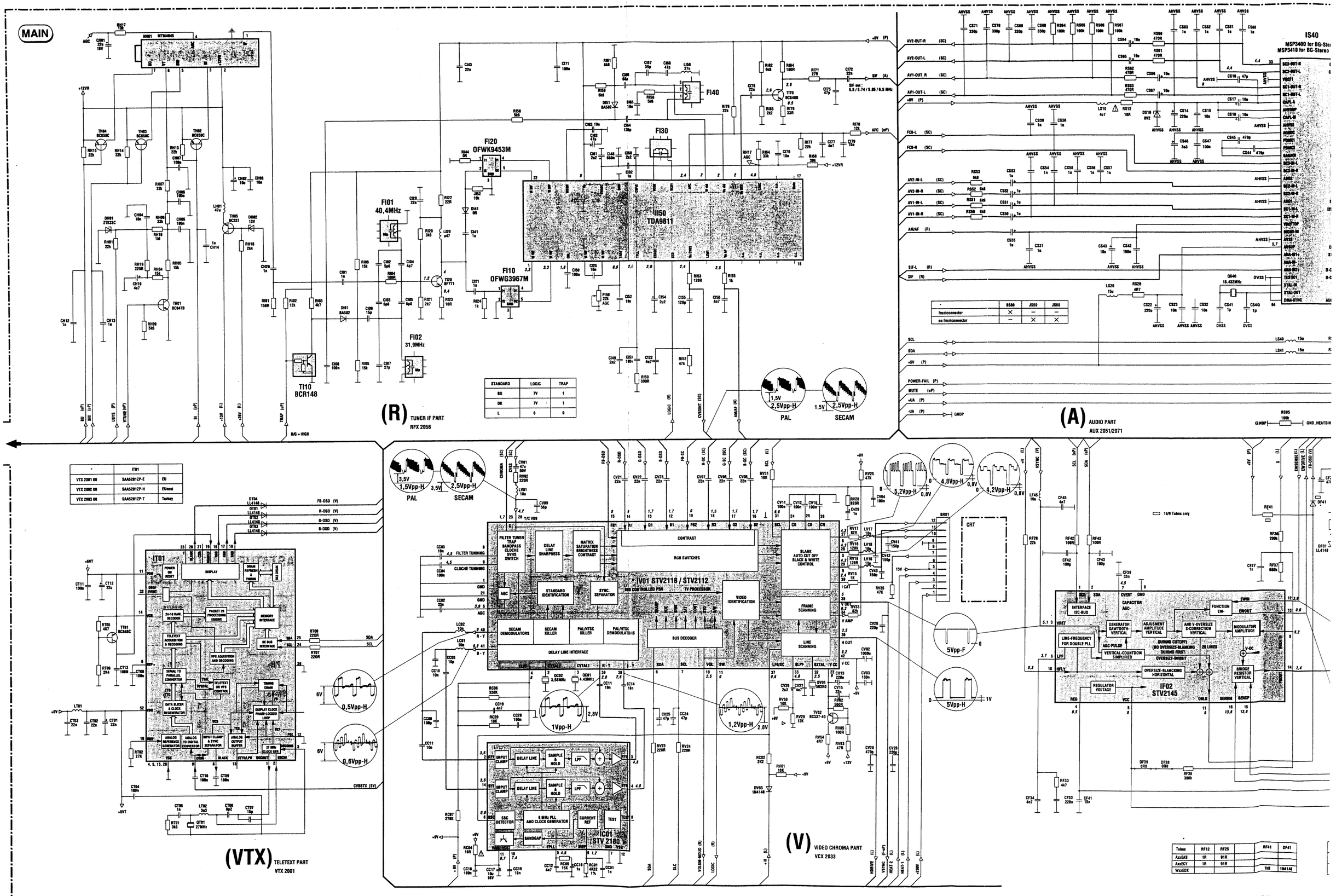
Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (PGND).

Attenzione :
misure nell'alimentatore primario
- usare massa alimentazione primario (PGND).

Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (PGND).

*	PSX 2211(Mono)	PSX 2251(Stereo)
DP55	1N4001	BYV10-20
DP82	1N4148	—
RP82/83	150R/0.25W	—
TP82	BC337-40	—
CP80/81	—	10u
IP80	—	7805
RP09	4k32	4k3

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE SCHALTBILD - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL



PAL

IS40
MSP3400 for BG-Stereo
MSP3410 for BG-Stereo + NICAM

IS80
TDA7263

IF01
TDA8177

IF02
STV2145

IX01
LA7221

-	BX83	JX57	RX05	RX39	RX57	TX81	JX15	JX16
SCX 2520		X	150R					
SCX 2521	X		560R	X	X	X	X	X

Mode	AVE1	AVE2	CTL1	CTL2
TVint	1	0	1	0
AV1	0	0	0	0
AV2	0	1	0	1
FCB	1	1	1	0

(SC) SCART PART
SCX 2520/2521

(F) VERTICAL DEFLECTION PART
DFX 2051

(L) HORIZONTAL DEFLECTION PART
DLX 2051

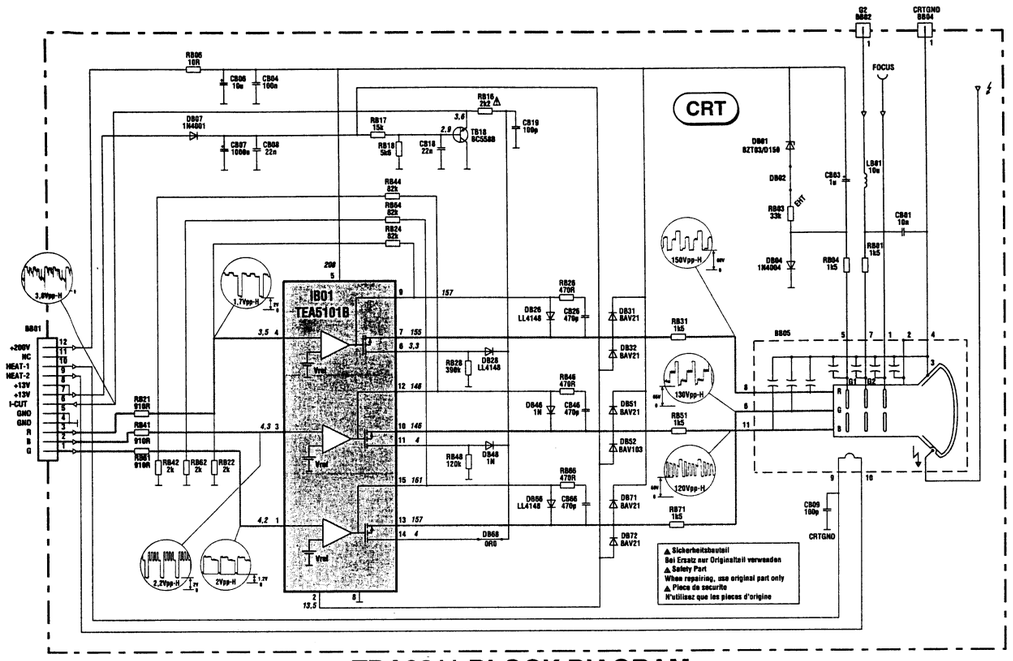
16/9 Tubes only

SPECIFIC 16/9

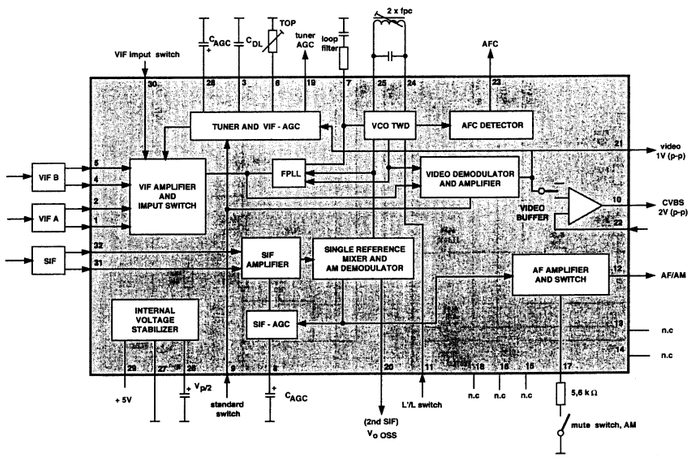
Tubes	RF12	RF25		RF41	DF41
AxxEA5	1R	81R			
AxxECY	1R	91R			
WxxEDX				1k8	1N4148

Tube	CL24	CL25	CL44	RL41	RL42	RL43	RL44	RL48	LL22	LL25	LL05
AxxEA5	510n	JL24	2n7	15k	4k99	24k9	2k74	24k9	10092690	36u5	10270640
AxxECY	680n	1u5	4n7	15k	4k99	24k9	2k74	24k9	10095060	38u5	10319410

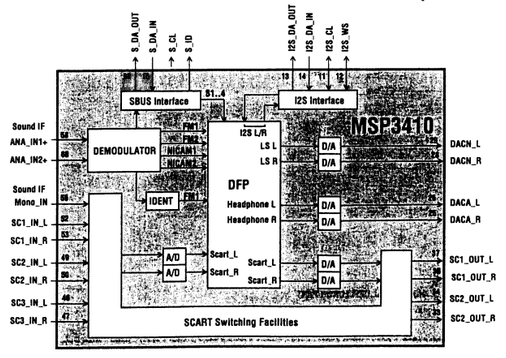
VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER - AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO



TDA9811 BLOCK DIAGRAM
MULTISTANDARD VIF - PLL WITH QSS-IF AND AM DEMODULATOR

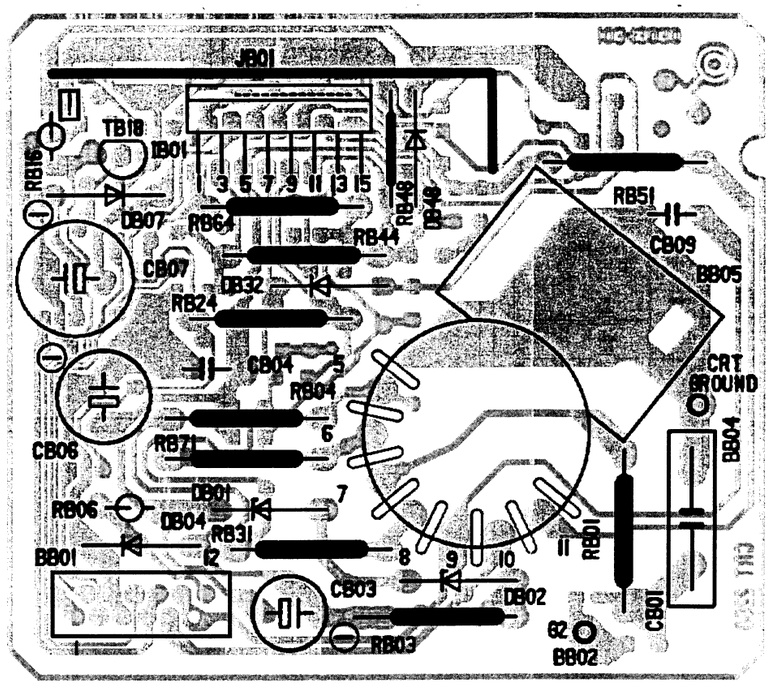


MSP3400 / MSP3410 BLOCK DIAGRAM SOUNDPROCESSOR

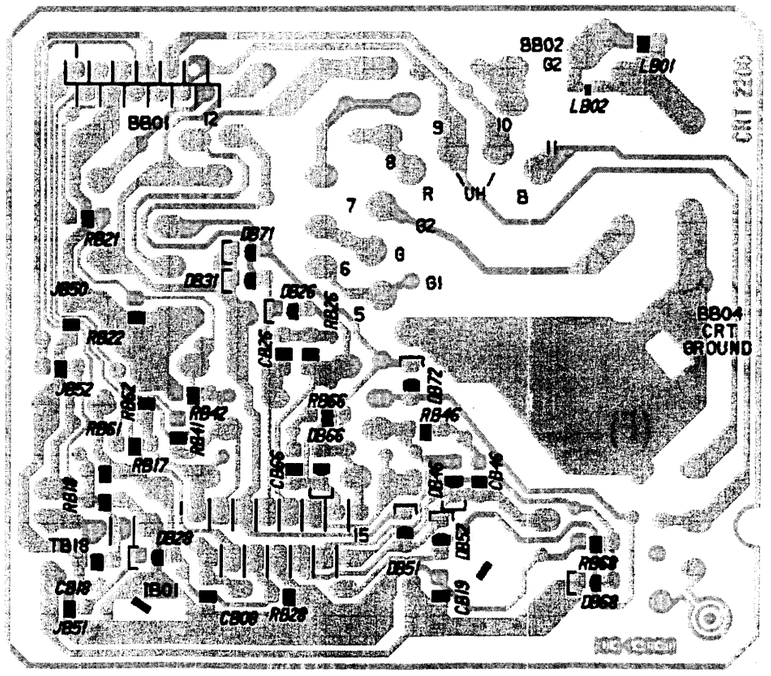


VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

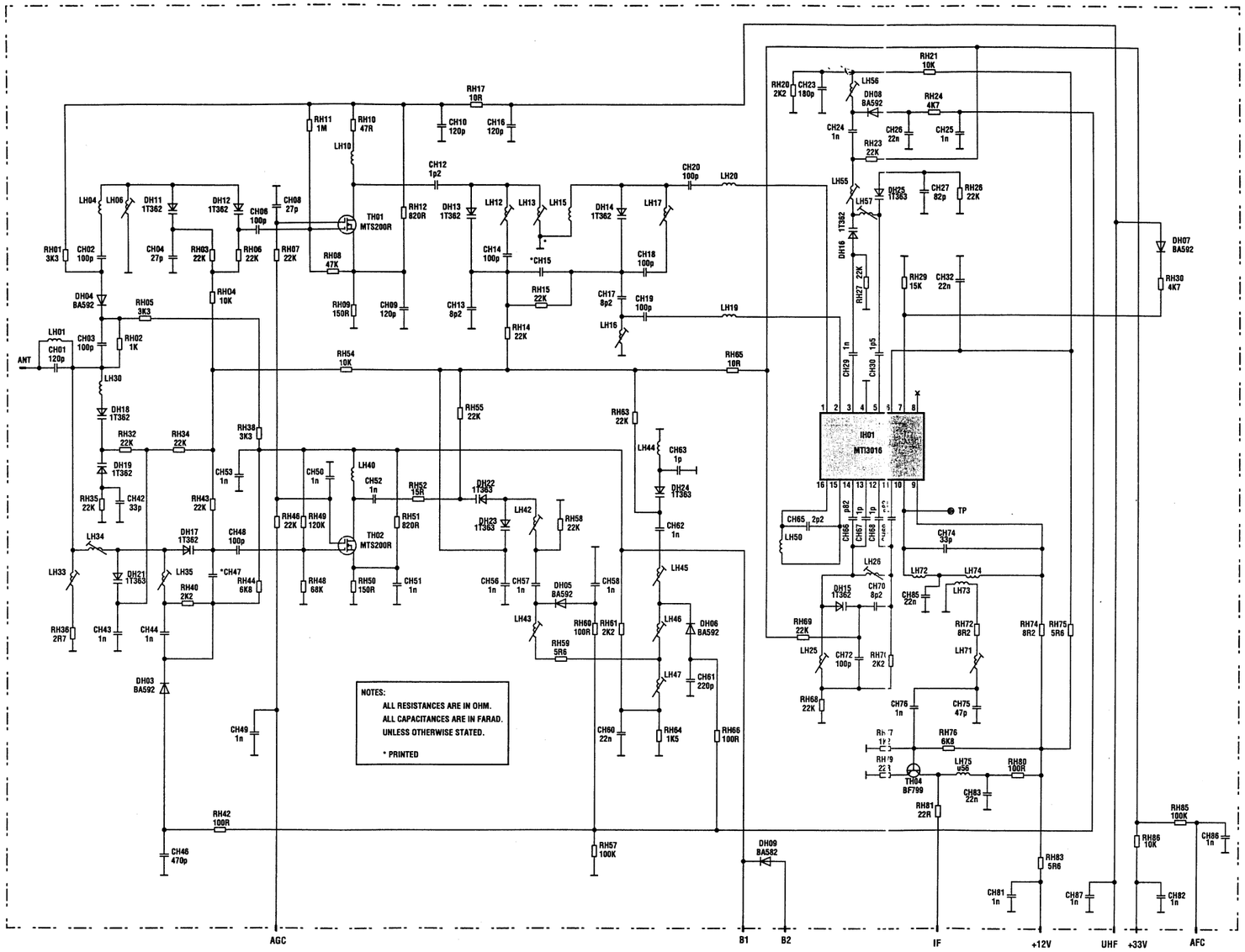


VHF / UH

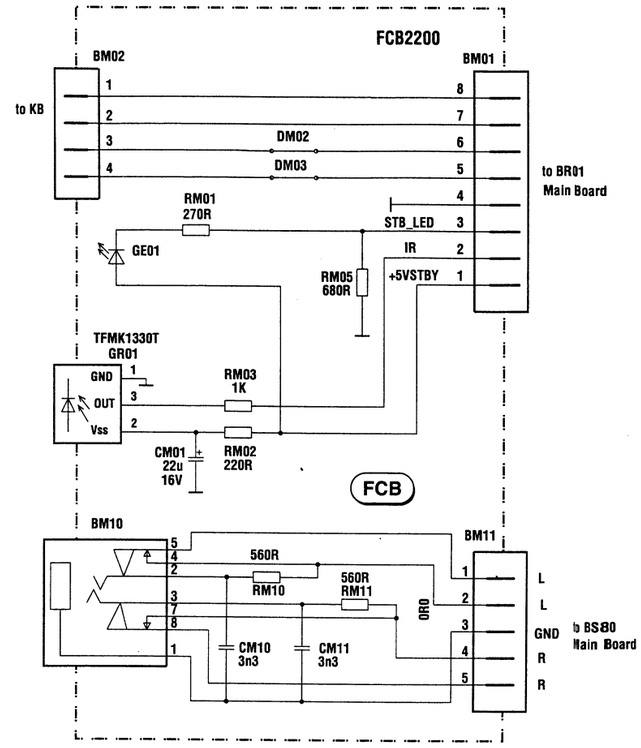
ERPLATTE

MPONENTES

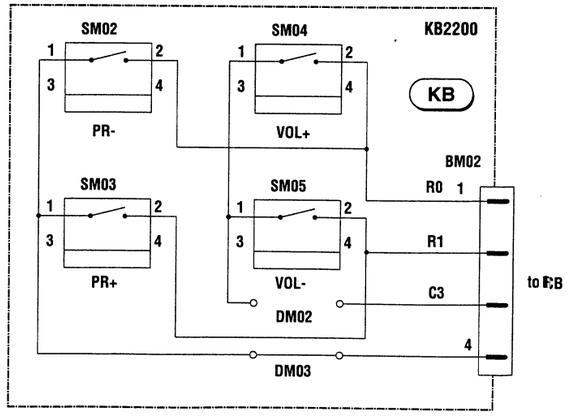
VHF / UHF TUNER MTM 4045 (For information only)



FRONT CONNECTOR BOARD - MODULE PRISE ET INTERCONNEXION DU CLAVIER FRONTANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL



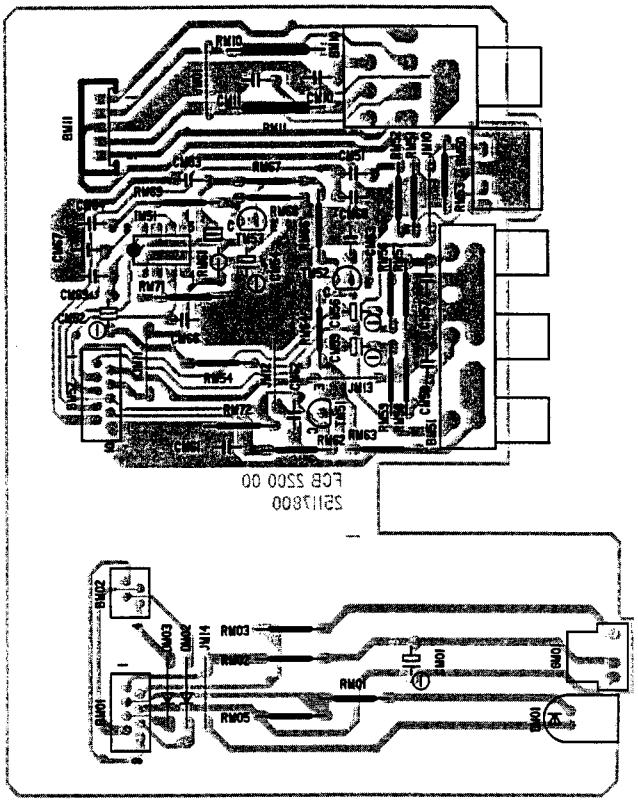
KEYBOARD MODULE - PLATINE CLAVIER - TASTATURPLATTE -PIASTRA COMANDI - PLATINA TECLADO



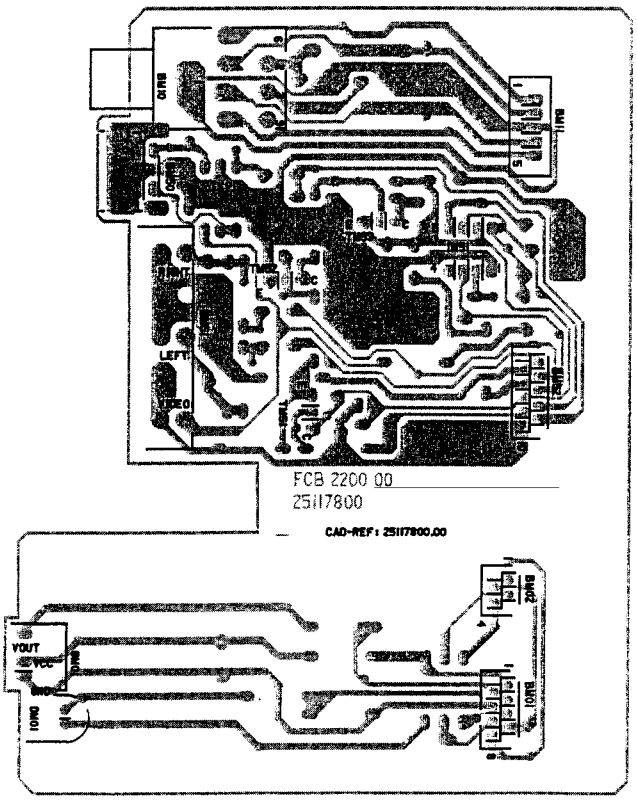
FRONT CONNECTOR BOARD - MODULE PRISE EN FACADE ET INTERCONNEXION DU CLAVIER
FRONTANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS

FCB2200

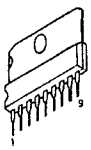
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



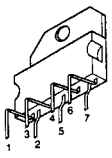
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



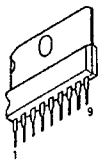
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES



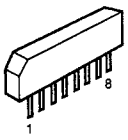
TDA 8139



TDA 8177



TEA 5101B

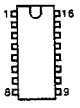


SDA 9187
SDA 9188

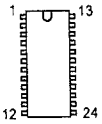
4N25TV

TDA4605
ST24C04-B1

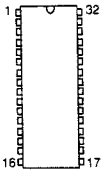
STV2180



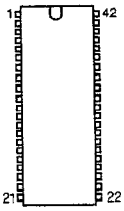
STV2145



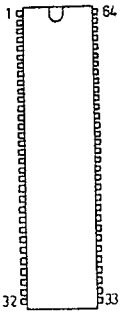
TDA 7263



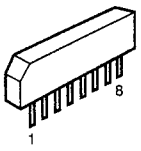
TDA9811



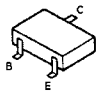
TDA9811



MPS3400
MPS3410



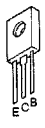
LA7221



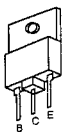
BC 847B
BC 858 B/C
BC 848 A/B/C
BF 771

BF 422
BF423

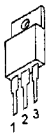
BC 337
BC 548B
BC 558B



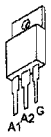
BP 681



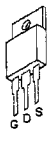
BUH 517 TH



7805
7812



BT806 -600C



STP6 NA60F1

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		MODULE/AUSTAUSCHTEILE:	**EXCHANGE PARTS:**	**PLATINE:**
CRT TX92	103.520.20	CRT TX92 BILDROHRANSCHLUSS	CRT TX92 PCB CRT	CRT TX92 PLATINE TUBE
MTM4045	202.483.90	MTM4045 TUNER	MTM4045 TUNER	MTM4045 TUNER
		CHASSIS-TEILE	**CHASSIS PARTS**	**CHASSIS-PARTIE**
BB01	260.789	Stiftleiste 12polig, MICS 12	Contact strip, 12-pole, black	Connecteur male, 12 broches
BB05	249.769	Bildrohrfassung, 10-polig	Cathode ray tube socket	Support tube cathodique
BL01A	102.381.10	Halter Netzleitung (auf Ltp.)	Holder	Support
BP01A	102.381.10	Halter Netzleitung (auf Ltp.)	Holder	Support
BR01	266.862	Stiftleiste 8pol MICS08 SW	8 pin wafer, black	Barrette de contact, 8, noir
BS80	243.597	Stiftleiste, 5polig, UF	Contact strip, 5-pole	Connecteur male, 5 broches
BS90	239.037	Stiftleiste 2polig, rot UF	2 pin contact housing, red	Culot a 2 broches, rouge
BS91	239.038	Stiftleiste 2polig, grün UF	2 pin contact housing, green	Culot a 2 broches, vert
BV01	260.789	Stiftleiste 12polig, MICS 12	Contact strip, 12-pole, black	Connecteur male, 12 broches
BX01	309.651.034	Buchse, Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX02	309.651.034	Buchse, Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX50	309.650.092	Stiftleiste, 4polig Liegend	Contact strip, 4-pole	Connecteur male, 4 broches
CB01	309.441.641	10NF 3KV Keramik-Kondensator	10NF 3KV C cap	10NF 3KV C ceramique
CB03	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CB06	276.029	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CB09	266.247	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kV 20% C ceramique
CL07	140.358.70	0U01F 400V 5% Kondensator	0U01F 400V 5% Capacitor	0U01F 400V 5% Condensateur
CL10	266.243	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kV 10% CC
CL11	239.322	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CL14	266.243	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kV 10% CC
CL21	100.427.50	14N4F 1K6V 3,5% Filmkondensator	14N4F 1K6V 3,5% Film cap	14N4F 1K6V 3,5% Condensateur
CL22	102.635.40	27N0F 400V 5% Filmkondensator	27N0F 400V 5% Film cap	27N0F 400V 5% Condensateur
CL25	256.712	1U5F 160V 10% Filmkondensator	1U5F 160V 10% Film cap	1U5F 160V 10% Condensateur film
CL26	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CL44	101.220.40	4U7F 160V 20% Elko	4U7F 160V 20% E cap	4U7F 160V 20% C chimique
CP01	103.139.00	0U1F 275V 20% Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP02	103.139.00	0U1F 275V 20% Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP07	100.587.40	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP08	309.442.972	1N5F 1KV Keramik-Kondensator	1N5F 1KV C cap	1N5F 1KV C ceramique
CP09	100.587.40	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP11	309.418.404	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP13	339.590.226	1500PF 1KV Kondensator	1500PF 1KV Cap	1500PF 1KV Condensateur
CP21	238.266	330PF 400V 20% Keramikkondersator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP24	238.266	330PF 400V 20% Keramikkondersator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP49	309.440.686	1NF 400V 20% Keramik-Kondensator	1NF 400V 20% C capacitor	1NF 400V 20% Condensateur
CP51	309.442.975	470PF 2KV Keramik-Kondensator	470PF 2KV C cap	470PF 2kV CC
CP52	102.441.20	100UF 200V 20% Elko	100UF 200V 20% E cap	100UF 200V 20% CC
CP53	238.266	330PF 400V 20% Keramikkondersator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
DB01	704.023.51	BZT03/D150 Diode	BZT03/D150 Diode	BZT03/D150 Diode
DB04	464.612	1N4004 Diode	1N4004 Diode	1N4004 Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DB07	309.325.951	1N4001 Diode	1N4001 Diode	1N4001 Diode
DB26	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB28	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB31	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB32	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DB46	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB48	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DB51	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB52	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB66	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB71	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB72	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DF01	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DF02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF07	160.300.60	ZMM15 Z-Diode SMD	ZMM15 Z-Diode	ZMM15 Z-Diode
DF11	103.518.80	P4KE56A Z-Diode	P4KE56A Z-Diode	P4KE56A Z-Diode
DF30	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DF31	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DH01	353.111.2001	ZTK33C IC	ZTK33C IC	ZTK33C CI
DH02	243.375	BZX55B13V Z-Diode	BZX55B13V Z-Diode	BZX55B13V Z-Diode
DI01	309.325.201	BA582 Diode SMD	BA582 Diode	BA582 Diode
DI51	309.325.201	BA582 Diode SMD	BA582 Diode	BA582 Diode
DL06	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL07	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL08	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL11	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL12	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DL13	266.534	BY397 Diode	BY397 Diode	BY397 Diode
DL15	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL21	276.169	BY228 Diode	BY228 Diode	BY228 Diode
DL22	266.280	BYW76 Diode	BYW76 Diode	BYW76 Diode
DL25	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL26	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL34	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL38	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DL41	462.299	BAV21 Diode	BAV21 Diode	BAV21 Diode
DL60	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL61	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL62	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL63	339.529.957	ZPD24 Z-Diode	ZPD24 Z-Diode	ZPD24 Z-Diode
DP06	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP07	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP08	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP09	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP13	490.007.4145	MUR160 Diode	MUR160 Diode	MUR160 Diode
DP17	266.939	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DP21	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP22	110.736.70	BZX55C11 Z-Diode	BZX55C11 Z-Diode	BZX55C11 Z-Diode
DP23	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP24	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP32	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP40	309.325.056	BA157 Diode	BA157 Diode	BA157 Diode
DP41	309.327.124	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode	ZPD2,7, Z-Diode
DP44	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP45	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP50	464.449	BA159 Diode	BA159 Diode	BA159 Diode
DP51	160.085.60	BY399S Diode	BY399S Diode	BY399S Diode

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DP53	309.325.087	BY297 Diode	BY297 Diode	BY297 Diode
DP54	309.325.951	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP55	160.089.00	BYV10-20 Diode	BYV10-20 Diode	BYV10-20 Diode
DP61	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DS10	309.325.104	BZX85C8V2 Diode	BZX85C8V2 Diode	BZX85C8V2 Diode
DS40	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DS41	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DT01	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT02	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT03	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT04	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV03	309.325.927	1N4148 Diode	1N4148 Diode	1N4148 Diode
DX13	339.527.177	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
FI01	103.192.60	38M9HZ Filter LA7x7	38M9HZ Filter	38M9HZ Filtre
FI02	103.192.60	38M9HZ Filter LA7x7	38M9HZ Filter	38M9HZ Filtre
FI10	102.294.20	OFWG3967M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI20	101.764.50	OFWK9453M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI30	103.384.60	77M8HZ Filter LA7x7	77M8HZ Filter	77M8HZ Filtre
FI40	103.193.50	6M6HZ Filter LA7x7	6M6HZ Filter	6M6HZ Filtre
FP01	309.627.916	2,5AT 250V Sicherung	2,5A Fuse	2,5A Fusible
IB01	102.314.40	TEA5101B IC	TEA5101B IC	TEA5101B CI
IB01C	261.825	Montageclip 1	Clip 1	Agrafe 1
IC01	201.669.90	STV2180 IC	STV2180 IC	STV2180 CI
IF01	150.534.40	TDA8177 IC	TDA8177 IC	TDA8177 CI
IF01B	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
IF01C	261.827	Montageclip	Clip	Agrafe
IF02	102.645.10	STV2145 IC	STV2145 IC	STV2145 CI
II50	102.878.30	TDA9811/V1 IC	TDA9811/V1 IC	TDA9811/V1 CI
IP01	101.617.50	TDA4605 IC	TDA4605 IC	TDA4605 CI
IP50	276.680	MC7812CT IC	IC, MC7812CT	CI, MC7812CT
IP60	103.373.70	4N25TV Fotokoppler	4N25TV Photo couplers	4N25TV Photo coupleur
IP70	309.368.734	TDA8139 IC	TDA8139 IC	TDA8139 IC
IP70C	309.903.844	Montageclip	Clip metal	Agrafe
IP80	309.368.470	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
IP80C	261.827	Montageclip	Clip	Agrafe
IR01	103.421.60	ST9291J7B1 IC prog. o. S.	ST9291J7B1 IC	ST9291J7B1 CI
IR01	300.496.10	ST9291J7B1 IC prog. m. S.	ST9291J7B1 IC	ST9291J7B1 CI
IR01A	309.689.966	42polig IC-Fassung	IC socket 42pole	Support CI 42 voies
IR02	490.008.0378	ST24C04/B1 IC	ST24C04/B1 IC	ST24C04/B1 CI
IS40	101.810.00	MSP3410-TC15/24 IC	MSP3410-TC15/24 IC	MSP3410-TC15/24 CI
IS40	103.191.70	MSP3400C IC	MSP3400C IC	MSP3400C CI
IS80	102.811.50	TDA7263 IC	TDA7263 IC	TDA7263 CI
IS80C	102.954.80	Montageclip 4	Clip 4	Agrafe 4
IT01	102.588.10	SAA5281ZP/E IC	SAA5281ZP/E IC	SAA5281ZP/E CI
IV01	201.658.10	STV2118 IC	STV2118 IC	STV2118 CI

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IX01	309.368.592	LA7221 IC	LA7221 IC	LA7221 CI
LB01.	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LC01	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LC02	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LF45	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LI50	339.349.718	27UH Spule	27UH Coil	27UH Self
LL05	103.194.10 S	Diodensplit-Trafo M30	Diode split transformer	Transformateur THT
LL10	100.626.10	18U 10% Drossel	18U 10% Choke coil	18U 10% Self
LL19	309.309.992 S	Treibertransformator	Driver transformer	Transformateur
LL22	100.950.60 S	Kombi-Spule	Combi coil	Bobine
LL26	508.732.54 S	30U5H Spule, H-Linearität	30U5H H-Linearity coil	30U5H Bobine linearite
LP01	102.615.30 S	60MIH Filter TF-Mains	Line filter	Self de filtrage
LP16	103.027.20 S	Trafo Schaltnetzteil SMT4	Switched mode power transformer	Transformateur d'alimentation
LR02	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LR26	150.401.10	3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LR28	150.401.10	3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LS10	309.250.052	4U7H Drossel	4U7H Choke coil	4U7H Self
LS25	246.995	4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LS40	130.919.50	15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LS41	130.919.50	15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LV16	266.408	10UH Drossel	10UH Choke coil	10UH Self
LV17	266.408	10UH Drossel	10UH Choke coil	10UH Self
LV18	266.408	10UH Drossel	10UH Choke coil	10UH Self
LX41	140.366.40	10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
PI50	339.509.716	22KR 30% Trimmwiderstand	22KR 30% Trimmer resistor	22KR 30% Resistance ajustable
PP66	339.509.703	4K7 Potentiometer	4K7 Potentiometer	4K7 Potentiometre
QC01	100.877.10	4M433619 HZ Quarz	4M433619HZ Crystal	4M433619HZ Quartz
QC02	100.877.20	3M579545HZ Quarz	3M579545HZ Crystal	3M579545HZ Quartz
QR01	309.335.731	8M0HZ Quarz	8M0HZ Crystal	8M0HZ Quartz
QS40	103.346.70	18M432HZ Quarz	18M432HZ Crystal	18M432HZ Quartz
QS40	242.224	18M432HZ Quarz	18M432HZ Crystal	18M432HZ Quartz
QT01	102.541.20	27MHZ Quarz	27MHZ Crystal	27MHZ Quartz
QV01	309.160.840	CSB503B Keramikfilter	CSB503B Ceramic filter	CSB503B Filtre ceramice
RB01	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB04	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB16	266.672 S	2K2R 0,3W 5% Sicherheitswiderstand	2K2R 0,3W 5% Fusible resistor	2K2R 0,3W 5% Résistance fusible
RB24	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB31	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB44	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB51	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RB64	804.362.30	82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB71	101.218.80	1K5R 0,5W 5% Widerstand	1K5R 0,5W 5% Resistor agglom.	1K5R 0,5W 5% Resistance
RC04	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TP22	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TP40	102.599.10	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor
TP48	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TP60	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP61	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP91	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP96	249.250	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR01	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TR02	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TS20	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TS81	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TS90	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TT01	242.013	BC848C Transistor, SMD	BC848C Transistor, SMD	BC848C Transistor, SMD
TV62	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TX10	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TX30	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TX31	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
-	309.699.432	Hochspannungskabel Anode	High tension cable	D'energie haute tension
-	309.699.434	Fokuskabel dünn 460mm	Focus cable 460mm	Cable focus 460mm
-	100.005.80	Halter PSB	Holder PSB	Support PSB
-	102.997.70	Klemmstück	Guide Wire	Guide Cable
-	246.545	Schutzkappe 4,3 Spannungskabel	Protection cap for high voltage cable	Capot plastique
-	251.200.40	Chassisrahmen	Chassis frame	Chassis plastique

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
RF11	309.580.973 S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RF12	309.530.698	1R 0,7W 5% Metalloxydwiderstand	1R 0,7W 5% Metal oxide resistor	1R 0,7W 5% Resistance metallique
RF15	108.833.00 S	10R 0,5W 5% Sicherheitswiderstand	10R 0,5W 5% Fusible resistor	10R 0,5W 5% Résistance fusible
RF20	102.337.20	220R 0,7W 1% Metallfilmwiderstand	220R 0,7W 1% Metal film resistor	220R 0,7W 1% Resistance metall.
RH01	130.015.40	22KR 2W 5% Metalloxydwiderstand	22KR 2W 5% Metal oxide resistor	22KR 2W 5% Resistance metallique
RL10	102.332.20	47R 0,5W 5% Widerstand	47R 0,5W 5% Resistor agglom.	47R 0,5W 5% Resistance
RL11	309.580.969 S	15R 0,5W 5% Sicherheitswiderstand	15R 0,5W 5% Fusible resistor	15R 0,5W 5% Resistance fusible
RL12	243.800 S	2R2 0,5W 5% Sicherheitswiderstand	2R2 0,5W 5% Fusible resistor	2R2 0,5W 5% Résistance fusible
RL13	130.501.70 S	0R270 0,7W +5% Sicherheitswiderstand	0R270 0,7W +5% Fusible resistor	0R270 0,7W +5% Resistance fusible
RL25	600.226.00 S	10KR 0,5W 5% Sicherheitswiderstand NB	10KR 0,5W 5% Fusible resistor	10KR 0,5W 5% Résistance fusible
RL26	309.580.952 S	1KR 0,5W 10% Sicherheitswiderstand	1KR 0,5W 10% Fusible resistor	1KR 0,5W 10% Resistance fusible
RL31	309.580.990 S	8R2 0,3W 5% Sicherheitswiderstand	8R2 0,3W 5% Fusible resistor	8R2 0,3W 5% Résistance fusible
RL32	309.536.940	33R 2W 5% Metalloxydwiderstand	33R 2W 5% Metal oxide resistor	33R 2W 5% Resistance metallique
RL47	411.198.02 S	3R3 0,35W 5% Sicherheitswiderstand	3R3 0,35W 5% Fusible resistor	3R3 0,35W 5% Résistance fusible
RL90	004.114.2109	432KR 0,4W 1% Metallfilmwiderstand	432KR 0,4W 1% Metal film resistor	432KR 0,4W 1% Resistance metall.
RP01	102.838.40	2R7 2,5W 5% Drahtwiderstand	2R7 2,5W 5% Wire resistor	2R7 2,5W 5% Resistance bobine
RP02	309.540.641	470KR 0,7W 5% Schichtwiderstand	470KR 0,7W 5% Film resistor	470KR 0,7W 5% Resist.a couche
RP03	309.560.952	25R PTC-Widerstand	25R PTC resistor	25R Resistance CTP
RP10	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP11	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP12	490.008.0173	220KR 0,4W 1% Metallfilmwiderstand	220KR 0,4W 1% Metal film resistor	220KR 0,4W 1% Resistance metall.
RP13	100.092.80	270R 5W 5% Drahtwiderstand	270R 5W 5% Wire resistor	270R 5W 5% Resistance bobine
RP32	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RP40	339.537.717 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Résistance fusible
RP49	406.517	10MR 0,7W 5% Schichtwiderstand	10MR 0,7W 5% Film resistor	10MR 0,7W 5% Resist. a couche
RP50	309.556.316	150R 3W 5% Drahtwiderstand	150R 3W 5% Wire resistor	150R 3W 5% Resistance bobine
RS12	309.533.636 S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resistor	18R 0,3W 5% Resistance fusible
RS87	400.164 S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RS88	400.164 S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RX14	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX32	339.537.716 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
TB18	309.001.226	BC558B Transistor	BC558B Transistor	BC558B Transistor
TF29	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TH01	249.063	BC847B Transistor SMD	BC847B Transistor	BC847B Transistor
TH02	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH03	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH04	242.012	BC858/C Transistor SMD	BC858/C Transistor	BC858/C Transistor
TH05	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TI10	339.553.077	DTC144EK Transistor	DTC144EK Transistor	DTC144EK Transistor
TI20	905.613.25	BF771 Transistor SMD	BF771 Transistor	BF771 Transistor
TI70	339.555.241	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL19	309.001.371	BUH517TH Transistor	BUH517TH Transistor	BUH517TH Transistor
TL19C	261.825	Montageclip 1	Clip 1	Agrafe 1
TL30	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TL31	339.556.787	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TL41	450.493.00	BD681 Transistor	BD681 Transistor	BD681 Transistor
TL41B	252.593	Silikonscheibe	Silicon plate	Rondelle silicone
TL41C	703.966.00	Montageclip	Clip	Agrafe
TL60	309.001.293	BC548B Transistor	BC548B Transistor	BC548B Transistor
TP16	102.375.50	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH
TP16C	261.827	Montageclip	Clip	Agrafe

ABBREVIATIONS - ABREVIATIONS - ABKÜRZUNGEN - ABBREVIAZIONI - ABREVIACIONES

● **AF**	AUDIO FREQUENCY **FREQUENCE AUDIO**
● **BCL**	BEAM CURRENT INFORMATION **INFORMATION COURANT DE FAISCEAU**
● **BU**	TUNER UHF BAND CONTROL OUTPUT **SELECTION DE LA BANDE UHF DU TUNER**
● **BI**	TUNER BAND 1 CONTROL OUTPUT **SELECTION DE LA BANDE I**
● **BIII**	TUNER BAND 3 CONTROL OUTPUT **SELECTION DE LA BANDE 3**
● **CVBS**	COMPOSITE VIDEO / LUMINANCE SIGNAL **SIGNAL VIDEO COMPOSITE**
● **DEGAUSS**	DEGAUSS SIGNAL **SIGNAL DE COMMANDE DE DEMAGNETISATION**
● **EWDRIVE**	DRIVE SIGNAL FOR EAST-WEST CORRECTION **SIGNAL DE COMMANDE CORRECTION EST-OUEST**
● **EWSENSE**	FEED BACK SIGNAL OF EAST-WEST CORRECTION **SIGNAL DE CONTRE-REACTION EST-OUEST**
● **FORMAT**	COMMAND USED TO CHANGE THE PICTURE FORMAT **COMMANDE UTILISEE POUR CHANGER LE FORMAT**
● **FB**	FAST BLANKING **COMMUTATION RAPIDE**
● **HDRV**	HORIZONTAL DEFLECTION SIGNAL **SIGNAL DE COMMANDE DE BALAYAGE HORIZONTAL**
● **+ H**	POSITION FLY BACK PULSE **IMPULSION DE RETOUR LIGNE DE REFERENCE**
● **HEATER**	HEATER VOLTAGE **TENSION DE FILAMENT**
● **I-CUT**	CUTOFF CURRENT **COURANT DE CUTOFF**
● **IR**	DATA FROM INFRARED RECEIVER **DONNEES ISSUES DU RECEPTEUR INFRAROUGE**
● **S**	VERTICAL S - CORRECTION **CORRECTION S VERTICALE**
● **SAFETY**	SIGNAL FOR DETECT. OF ERRORS ON THE DEFLEC.PART **SIGNAL DE DETECT. D'ERREURS PARTIE DEFLECTION**
● **SCL**	SERIAL CLOCK **SIGNAL HORLOGE SERIE**
● **SDA**	SERIAL DATA **DONNEE SERIE**
● **SIF**	SOUND IF **FI SON**
● **VTUNE**	TUNING VOLTAGE **TENSION DU TUNER**
● **VSYNC**	VERTICAL DEFLECTION SIGNAL **SIGNAL DE COMMANDE BALAYAGE VERTICAL**